



Product designation			Auxiliary contactor
Product type designation			BG09
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			0.5
	min	Hz	25
IEC Conventional free air thermal current Ith	max	Hz A	<u>400</u> 20
Operational current le		A	
Operational current le	AC-1 (≤40°C)	۸	20
	AC-1 (≤40 C) AC-1 (≤55°C)	A A	18
	AC-1 (≤33°C) AC-1 (≤70°C)	A	15
	AC-3 (≤440V ≤55°C)	A	9
	AC-4 (400V)	A	4
Rated operational power AC-1 (T≤40°C)	710 4 (4001)	- / \	
Traise operational power 7.6 T (1=10 G)	230V	kW	8
	400V	kW	14
	500V	kW	16
	690V	kW	22
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	≤24V	Α	12
	48V	Α	10
	75V	Α	4
	110V	Α	3
	220V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	≤24V	Α	15
	48V	Α	14
	75V	Α	9
	110V	Α	8
	220V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	≤24V	Α	16
	48V	Α	16
	75V	Α	10
	110V	Α	10
	220V	Α	2
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series		_	
	≤24V	Α	16
	48V	A	16
	75V	A	10
	110V	A	10
	220V	Α	2



IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	7
	48V	Α	6
	75V	Α	2
	110V	A	1
			1
150 DOS DOS 111 L/D + 45 111 0 1 1 1	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	≤24V	Α	8
	48V	Α	8
	75V	Α	5
	110V	Α	4
	220V	A	<u>.</u>
IFC many assert to in DC2 DC5 with L/D < 45 may with 2 malos in agrics	220 V		
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
	≤24V	Α	10
	48V	Α	10
	75V	Α	6
	110V	Α	5
	220V	Α	0,8
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	2201		
ILO MAX current le in DOS-DOS with L/N > 13115 with 4 poles in selles	20 A 1	Α	10
	≤24V	Α	10
	48V	Α	10
	75V	Α	6
	110V	Α	5
	220V	Α	0,8
Short-time allowable current for 10s (IEC/EN60947-1)		Α	96
Protection fuse			
Fiolection ruse	0 (150)	Δ.	00
	gG (IEC)	Α	20
	aM (IEC)	Α	10
Making capacity (RMS value)		Α	92
Breaking capacity at voltage			
	440V	Α	72
	500V	Α	72
	690V		72
Decision and the second of	090 V	Α	
Resistance per pole (average value)		mΩ	
Power dissipation per pole (average value)			
	Ith	W	4
	AC-3	W	0.8
Tightening torque for terminals			
	min	Nm	0.8
	max ·	Nm	1
	min	lbin	9
	max	lbin	9
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	lbin	9
	max	Ibin	9
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		12
Flexible w/o lug conductor section	mux		•-
i lexible w/o lug conductor section		m2	0.0
	min	mm²	0.8



		2	0.5
	The state of the s	mm²	2.5
	Flexible c/w lug conductor section	2	4 =
	min	mm²	1.5
	The little little land to the	mm²	2.5
	Flexible with insulated spade lug conductor section	m.m.2	1 5
	min	mm²	1.5
Dower terminal protect	max	mm²	2.5
Mechanical features	tion according to IEC/EN 60529		IP20
Operating position			
Operating position	normal		Vertical plan
	allowable		Vertical plan ±30°
	allowable		Screw / DIN rail
Fixing			35mm
Weight		g	200
Conductor section		9	200
Conductor Coolien	AWG/kcmil conductor section		
	max		12
Auxiliary contact charact			. <u>-</u>
Thermal current Ith		А	10
IEC/EN 60947-5-1 des	- signation		Q600
Operations	ignation .		Quu
Mechanical life		cycles	20000000
Electrical life		cycles	500000
Safety related data		0,0100	000000
	Od according to EN/ISO 13489-1		
1 0110111101100 10701 2 10	rated load	cycles	500000
	mechanical load	cycles	20000000
Mirror contats according	ng to IEC/EN 609474-4-1	0,0.00	YES
EMC compatibility	<u></u>		YES
DC coil operating			120
DC rated control voltage	ne	V	24
DC operating voltage	,-	•	
Do operating vertage	pick-up		
	min	%Us	75
	max	%Us	115
	drop-out max	%Us	115
	drop-out		
		%Us %Us %Us	115 10 25
Average coil consumpt	drop-out min max	%Us	10
Average coil consumpt	drop-out min max tion ≤20°C	%Us %Us	10 25
Average coil consumpt	drop-out min max	%Us	10
Average coil consumpt Max cycles frequency	drop-out min max tion ≤20°C in-rush	%Us %Us W	10 25 3.2
	drop-out min max tion ≤20°C in-rush	%Us %Us W W	10 25 3.2 3.2
Max cycles frequency	drop-out min max tion ≤20°C in-rush	%Us %Us W	10 25 3.2 3.2
Max cycles frequency Mechanical operation	drop-out min max tion ≤20°C in-rush holding	%Us %Us W W	10 25 3.2 3.2
Max cycles frequency Mechanical operation Operating times	drop-out min max tion ≤20°C in-rush holding	%Us %Us W W	10 25 3.2 3.2
Max cycles frequency Mechanical operation Operating times	drop-out min max tion ≤20°C in-rush holding	%Us %Us W W	10 25 3.2 3.2
Max cycles frequency Mechanical operation Operating times	drop-out min max tion ≤20°C in-rush holding ontrol in AC	%Us %Us W W	10 25 3.2 3.2
Max cycles frequency Mechanical operation Operating times	drop-out min max tion ≤20°C in-rush holding ontrol in AC Closing NO	%Us %Us W W	10 25 3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	drop-out min max tion ≤20°C in-rush holding ontrol in AC Closing NO min	%Us %Us W W cycles/h	10 25 3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	drop-out min max tion ≤20°C in-rush holding ontrol in AC Closing NO min max	%Us %Us W W cycles/h	10 25 3.2 3.2 3600
Max cycles frequency Mechanical operation Operating times	drop-out min max tion ≤20°C in-rush holding ontrol in AC Closing NO min max Opening NO	%Us %Us W W cycles/h	10 25 3.2 3.2 3600



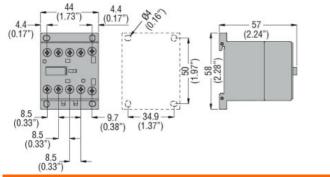
	Closing NC			
	Closing NC	min	ms	17
		max	ms	26
	Opening NC	max	1110	20
	opening	min	ms	7
		max	ms	17
iı	n DC			
	Closing NO			
		min	ms	18
		max	ms	25
	Opening NO			
		min	ms	2
		max	ms	3
	Closing NC			
		min	ms	3
		max	ms	5
	Opening NC	,		44
		min	ms	11
I II and the Late		max	ms	17
UL technical data	w there are an AC mater			
Full-load current (FLA) fo	or three-phase AC motor	-t 400\/	Δ.	7.0
		at 480V	A	7.6
Violate di une alle ancienti une ufe		at 600V	Α	6.1
Yielded mechanical perfo				
T(or single-phase AC motor	440/400\/	LID	0.5
		110/120V	HP	0.5
-	or three-phase AC motor	230V	HP	1.5
11	of three-phase AC motor	200/208V	HP	2
		220/230V	HP	3
		460/480V	HP	5
		575/600V	HP	5
General USE		0.0,000		
	Contactor			
		AC current	Α	20
Short-circuit protection fu	use, 600V			
•	High fault			
	-	Short circuit current	kA	100
		Fuse rating	Α	30
		Fuse class		J
5	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	30
		Fuse class		RK5
Ambient conditions				
Temperature				
(Operating temperature			
		min	°C	-50
_		max	°C	+70
\$	Storage temperature			
		min	°C	-60
			°C	+80
A A Late 1		max		
Max altitude Resistance & Protection		max	m	3000

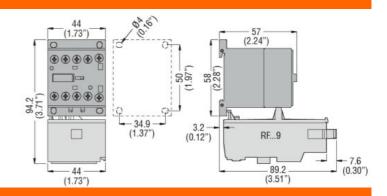


ENERGY AND AUTOMATION

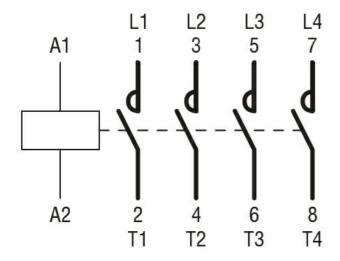
Pollution degree 3

Dimensions





Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching